

3M6 - 140/145/150/155

DESERV 3M6 Series consists of PV Modules with power ratings ranging from 140 Wp to 155 Wp. These high performance Multi-Crystalline Silicon Modules are designed for on-grid, as well as off-grid applications.

KEY FEATURES



Made in India



1000 V V_{dc}



Positive power tolerance



PID resistant



Highly reliable anti- reflective coated glass

25
YEARS

Limited power output warranty



Windspeed - 2400 Pa

Snowload - 5400 Pa

10
YEARS

Product warranty



IP67 Junction box



Independently Audited by
SOLARBUYER

IEC Certified - 61215, 61730, TS 62804, 61853

IEC 61701 (Salt mist corrosion resistant- Severity 6)

IEC 62716 (Ammonia corrosion resistant)

UL Certified 1703

IEC 60068-2-68 (Sand Abrasion)

IMS Certified Company (ISO 9001:2015 & OHSAS 18001:2007)

RenewSys has a global presence with offices in Dubai, Johannesburg, Lagos, London, Mauritius and Singapore, as well as representative offices in USA and many countries of Europe.



CONSERV®
E 360 - POE
Encapsulant

Performance under standard test conditions
(1000W/m² AM 1.5, 25°C)

	DESERV 3M6-140	DESERV 3M6-145	DESERV 3M6-150	DESERV 3M6-155
Rated power (Pmax), Wp	140	145	150	155
Max power voltage (Vmp), V	17.55	18.10	18.44	18.75
Max power current (Imp), A	07.98	08.03	08.15	08.27
Open circuit voltage (Voc), V	22.21	22.43	22.79	23.05
Short circuit current (Isc), A	08.49	08.54	08.67	08.80
Module efficiency (%)	13.80	14.30	14.79	15.29

Operating Conditions

Ambient temperature, °C	-40 to + 85
Maximum system voltage,Vdc	1000
Hail impact velocity, m/sec	23
Maximum surface load capacity, Pascals	5400

Temperature Coefficients

Open circuit voltage	- 0.30 % / °C
Short circuit current	+ 0.05 % / °C
Nominal power	- 0.40 % / °C

Physical Parameters

No. of cells	36
Module dimensions (mm)	1024 X 987 or 990
Module thickness (mm)	40
Approximate weight (kg)	13

Mechanical Characteristics

Cable	NO. 12 AWG, 4mm²
PV connectors	MC4/MC4 (Compatible)/TYCO
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction Box With 4 Rail
Glass	3.2mm Thick Low Iron Tempered

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	3M6-140	3M6-145	3M6-150	3M6-155
Rated power (Pmax), Wp	104.19	107.91	111.63	115.36
Max power voltage (Vmp), V	16.05	16.55	16.86	17.15
Max power current (Imp), A	6.50	6.54	6.63	6.73
Open circuit voltage (Voc), V	20.65	20.86	21.19	21.43
Short circuit current (Isc), A	6.94	6.98	7.08	7.19

Registered Office

98, Jolly Maker Chambers No.2, 225 Nariman Point, Mumbai - 400 021, Maharashtra, India
Tel.: + 91 22 30040500

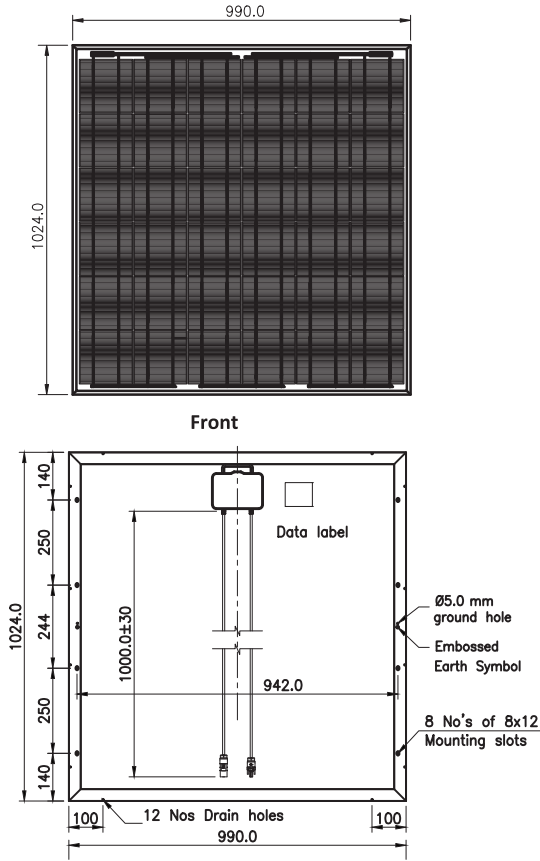
Factory

Plot No.6, Survey # 114/P, Srinagar Village, Maheshwaram Mandal, Dist-Rangareddy, Hyderabad - 501 359, Telangana, India
Tel.: + 91 40 67303000 Fax: + 91 40 67303003

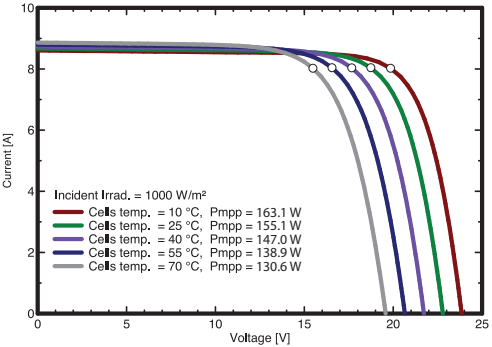
renewsys@renewsysindia.com ❖ www.renewsysworld.com

Due to continuous product updation, specifications may change without notice. Kindly refer to the website for updated details and latest information.

36 Cell PV Solar Module Dimensions



RenewSys DESERV 3M6 155 Wp - PV Modules



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